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## Student News

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# STUDENT NEWS



## Divisional Fall Banquet

"Hats off to the past and coats off for the future," is the slogan dedicated to Veterinary Medical students at Iowa State College by Dr. A. H. Quin, president of the American Veterinary Medical Association, who spoke at the seventh annual fall banquet held in Great Hall, Iowa State College Memorial Union on Oct. 5, 1954.

present day. He also gave his outlook for the future for veterinary service in the United States.

He said, "There will be a 35 percent increase in the protein of animal origin utilized in the next 20 years, provided use correlates with the population increase expected." Dr. Quin said a solution cannot be attained with only re-



L. to R.—Jim Creel, Student Chapter President; Bill Stover; Dick Baum; Dick Houck; Dean I. A. Merchant; Dr. A. H. Quin; Dr. J. H. Jensen, Provost; Carl De Zeeuw; Marvin Mitchell.

Dr. Quin, introduced by Dick Baum, VM 4, master of ceremonies for the occasion, discussed the development of Veterinary Medicine from 2200 B.C. to

claimed land, but must be accomplished by improved veterinary prophylaxis and therapy.

Dr. Quin was graduated from the Chi-

cago Veterinary College as valedictorian of his class. He is past-president of the Iowa Veterinary Medical Association and Central Iowa Veterinary Medical Association. At present, he is vice-president of the Jensen-Salsbery Laboratories, Kansas City, Mo.

Dean I. A. Merchant presented the Borden Scholarship Award for outstanding scholastic record to Murray Fowler, VM 4. This award is given to the student having the highest scholastic record at the end of the third year in Veterinary Medicine.

James Creel, VM 4, president of the Iowa State College Student Chapter of the American Veterinary Medical Association, welcomed guests and members to the annual banquet. Baum introduced the class representatives and Dr. James Jensen, provost at Iowa State College, who welcomed the Freshman Class. Dean Merchant introduced the veterinary medical staff, then welcomed and congratulated the Freshman Class.

Roger Volker provided dinner music on the console pipe organ.

—Tom Schalk VM 3

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#### Awards for 1954

The Iowa State College Student Chapter of the American Veterinary Medical Association held its annual convocation and special awards meeting June 2, 1954.

Harry Yoder, Mt. Morris, Ill., was awarded the George Judisch Scholarship prize. This award is given to a senior with the highest scholastic record. It consists of the initiation fees and annual dues for four years of membership in the AVMA and the official journal.

The G. G. Graham prizes are cash awards given annually to the two outstanding senior students in clinical veterinary medicine on the basis of scholarship, attitude and general adaptability. Daryl Bottorff, Webster City, Iowa, and Don McKenna, Early, Iowa, were the recipients.

For showing the greatest proficiency in small animal medicine and surgery,

Ray Pahle, West Allis, Wis., received the Wayne Riser Award. The award, a wrist watch, was offered for the first time this year.

The Paul F. Starch Phi Zeta Award, which emphasizes character, interest and leadership was given to David Tyler, Ames, Iowa. This is awarded annually to a first-year student possessing those qualities listed.

Each year some worthy senior has his financial burden lightened by the Lane-Wells Scholarship Award, a \$300 cash award. Roderick Zachary, Crawfordsville, Ind., received this award.

The Women's Auxiliary to the AVMA awards a \$25 cash prize to a senior who has carried out some creative activity other than scholarship. This year's award went to George Beran, Riceville, Iowa.

There was no Moss Essay winner as Iowa State did not have the required number of entries to qualify.

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#### Alpha Zeta

Twenty-one students became members of Alpha Zeta at a luncheon held at the First Baptist Church Nov. 18, 1954. These three Veterinary Medical students were among the initiates: Paul O. Nees, Middleton, Wis.; James Shaw, Spencer, Iowa; and Wm. McCulloch, Des Moines, Iowa.

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#### Freshman Statistics

It has been an annual custom of this publication to tabulate and print the vital statistics concerning the members of the first-year class. There are 70 men in the class. Forty-eight list Iowa as their home state. Twenty men, representing nine states, are non-residents of Iowa. To account for the other two, we must go to the territorial limits of the country, Puerto Rico and Hawaii.

Comparing preparatory education, there are 54 who have the two-year minimum requirement only; 10, three years; 6, four years. Five men hold the Bache-

lor of Science degree. One has a Master of Science degree.

There are 11 men who have served in the Armed Forces. Sixteen are married. The average age is 21.8 years.

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## MARRIAGES

### Fourth Year Class

Miss Margaret Church and Ward Richter were married September 4, in the Congregational Church at Walworth, Wis.

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Robert McClure and L. Elizabeth Thomas were married August 10, in the First Presbyterian Church in Lafayette, Ind.

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Miss Doris Blair and Wayne Brown were married August 15, in the Pleasant Grove Methodist Church in Fairfield, Iowa.

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Miss Sally Horak and Robert Cowger were married June 12, in the St. John's Evangelical Lutheran Church in Des Moines, Iowa.

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Miss Marian Pieritz and Bruce Grados were married September 12, in the Sauganash Community Church, in Chicago, Ill.

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Miss Betty Elliott and William Lowry were married August 28, in the Country Club Methodist Church in Kansas City, Mo.

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### Third Year Class

Miss Maxine Onsager and Darrell Cochran were married June 20, in the Lutheran Church, Northwood, N. D.

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Miss Janet Hugus and Joseph Donavan were married August 3, in the Presbyterian Church in Western Springs, Ill.

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Miss Alice Lantz and Earle Douglas were married June 13, in the Mamrelund Lutheran Church in Stanton, Iowa.

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Miss Annamae Watters and Robert Everson were married June 12, in the St. Stevens Lutheran Church, Clinton, Iowa.

Miss Carol Fieldman and Robert Koschmeder were married June 13, in the Lutheran Church, Perry, Iowa.

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Miss Mary Jane Barlow and Phillip Pearson were married August 28, in the First Presbyterian Church, Davenport, Iowa.

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Miss Fredde Eslick and Tom Schalk were married September 4, in the Congregational Church in Mason City, Iowa.

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Miss Colleen Wood and Jim Shaw were married August 14, in the Congregational Church in Spencer, Iowa.

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Miss Verna Kuncel and Donald Wagner were married June 19, in St. Ludmila Catholic Church in Cedar Rapids, Iowa.

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### Second Year Class

Miss Geraldine Murray and Marlin K. Jacobsen were married at the Methodist Church in Canton, S. D., on July 1, 1954.

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Miss Jo Ann Sliss and Charles Rasmussen were married in All Saints R.C. Church, Cedar Rapids, Iowa, Sept. 4, 1954.

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Miss Joyce M. Swenson and James Holter were married in the Evangelical Lutheran Church at Kindred, N.D., on June 27, 1954.

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Miss Barbara Ann Burhop and Roger Siegert were married in Trinity Lutheran Church, Sheboygan, Wis., on August 21, 1954.

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Miss Florine Kiefer and Burtwin Day were married in the Methodist Church, Charles City, Iowa, on Oct. 3, 1954.

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## BIRTHS

A son, Timothy John, to Mr. and Mrs. John Conley, June 21, Anita, Iowa. Mr. Conley is a fourth year student.

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A son, James Barker, to Mr. and Mrs. Gene McGehee, October 12, Des Moines, Iowa. Mr. McGehee is a fourth year student.

A daughter, Denise, to Mr. and Mrs. Thomas Stephenson, October 8, Ames, Iowa. Mr. Stephenson is a fourth year student.

A son, Gene Scott, to Mr. and Mrs. Murray Fowler, October 1, Ames, Iowa. Mr. Fowler is a fourth year student.

A son, James Robert, to Mr. and Mrs. Shuart Waldo, Ames, Iowa, on October 8. Mr. Waldo is a fourth year student.

A son, David Lee, to Mr. and Mrs. Robert Watson, July 26, West Point, Neb. Mr. Watson is a fourth year student.

A daughter, Patrice Marie, to Mr. and Mrs. William Owen, November 9, Ames, Iowa. Mr. Owen is a fourth year student.

A daughter, Anne Terese, to Mr. and Mrs. Nathan Phipps, June 5. Mr. Phipps is a third year student.

A daughter, Michelle Sara, to Mr. and Mrs. Truman Mostrom, July 3. Mr. Mostrom is a third year student.

## **RUMENITIS AND ITS RELATION TO THE RATION OF CATTLE.**

experiments were conducted to determine the effects on the rumen in cattle of the rate of change of ration and the ratio of concentrate to roughage in the ration.

Animals which were transferred from a ration of roughage to a ration for fattening in 12 days developed significantly more rumenitis than animals which made the same transfer in 30 days. The sample of animals slaughtered after 35 days on fattening feed showed extensive acute rumenitis. Animals slaughtered after 133 days of fattening showed chronic rumenitis.

Cattle fattened on a ration in which the proportion of concentrate to roughage was 3:1 developed significantly more rumenitis than animals fattened on the same ingredients but in which the proportion of concentrate to roughage was 2:1 or less.

[Jensen, Rue, D.V.M., Ph.D.; Connell, W. E., M.S.; Deem, A. W., D.V.M., M.S. Rumenitis and its

relation to the ration of cattle. American Journal of Veterinary Research. 15:425-428. (July) 1954.]

**THE INFLUENCE OF SODIUM SALTS ON THE CLOSURE OF THE ESOPHAGEAL GROOVE IN CALVES.** From Watson's review (1944) on deglutition in domestic ruminants, it can be deduced that, except in sucking animals, fluids taken in by mouth usually pass into the rumen and reticulum.

Anthelmintics administered as liquids into the mouth usually lodge in the rumen and reticulum where they have little efficiency against helminths located in the abomasum and small intestine because of the dilution factor.

Webster (1920) noted that milk may continue to pass directly into the abomasum in animals several months to several years in age, in contrast to the course taken by water. He discovered that the proteins and salts of the milk excited the esophageal mechanism. He also found closure of the groove stimulated by various sodium salts. In the experiment, glucose was used as an indicator of the route taken by fluids given per os, the results being checked by inclusion of a dye and slaughter of the animals. When glucose was injected directly into the rumen there was no rise in blood sugar; when injected into the abomasum there was a definite increase of blood sugar, with young calves giving a more rapid and more lasting increase.

Of the drugs given to stimulate closure of the esophageal groove, sodium bicarbonate gave the best results; 60 ml. of a 10 percent solution was effective in 93 percent of 110 cattle on experiment. Sodium chloride was next best in efficiency, but copper sulphate, which causes satisfactory closure of the esophageal groove in sheep, had little value. There was evidence that the activation mechanism by the sodium ion is assisted by nature of the anion present.

[Rick, R. F. The influence of sodium salts on the closure of the esophageal groove. The Australian Veterinary Journal. 30:29. (February) 1954.]